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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

QC ABSTRACT					
NAME OF WORK: Improvements of General Public Toilet and Sewage Maintanance in Ward No 5 Jakkur					
SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required Number of Tests Conducted
Materials					
1	Cement	Fineness by dry sieving	One Test		1
		Finess by Air permeability method	One Test		1
		Density	One Test		1
		Standard Consistency	One Test		1
		Initial Setting time	One Test		1
		Final Setting time	One Test		1
		Soundness (Le Chatelier's Method)	One Test		1
		Compressive Strength	One Test		1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1
		Flakiness Index	One Test		1
		Elongation Index	One Test		1
		Specific Gravity	One Test		1
		Bulk Density(Loose)	One Test		1
		Bulk Density(Compacted)	One Test		1
		Water Absorption	One Test		1
		SIEVE ANALYSIS	One Test		1
3	Coarse aggregate(20 mm down size)	Flakiness Index	One Test		1
		Elongation Index	One Test		1
		Specific Gravity	One Test		1
		Bulk Density(Loose)	One Test		1
		Bulk Density(Compacted)	One Test		1
		Water Absorption	One Test		1
		Aggregate crushing Value	One Test		1
		Aggregate Impact Value	One Test		1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1
		Water Absorption	One Test		1
		Specific Gravity	One Test		1
		Material finer than 75 micron	One Test		1
5	Block(400*100*200)	BLOCK DENSITY	One Test		1
		WATER ABSORPTION	One Test		1
		DIMENSION ANALYSIS	One Test		1
		COMPRESSIVE STRENGTH	One Test		1
6	RCC(M25)	Compressive Strength(7days and 28days)	1 set /1-5 cum	3.7	2
7	RCC(M25)	Compressive Strength(7days and 28days)	2 set /6-15 cum	7.88	4

2025-12-24
2025-12-24
2025-12-24
2025-12-24

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2020-07-24-65
Customer : Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore
Address : Byatarayanapura Sub Division, BBMP, Bangalore.
Project Name : Improvements of General Public Toilet and Sewage Maintenance in Ward No 5 Jakkur
Agency : Sri.Santosh B, (Venkateshwaraswamy Enterprises), #85, 8th Cross, Poojamma Temple, Yelhanka Kogilu Village, Bangalore North-560 064.
Customer's Reference : BBMP/EE/BTP/WO/12/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 19-05-20
Sample Type : Birla Super 53grade
Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 (Part 1,2 3,4,5, 6,11) 1988
IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5
IS 4031 Part 3, Determination of Soundness, Clause 5, Clause 6
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5
IS 4031 Part 11, DETERMINATION OF DENSITY , Clause 6
Date of test : 20-05-20
Environmental Conditions during test : Temperature 26°C
Humidity 72%

SL.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.86	-
2	Finess by Air permeability method (m ² /kg.Min)	293.2	225m ² /kg. Min
3	Density (gm/cc)	3.14	-
4	Standard Consistency (%)	27.5%	Not specified
5	Initial Setting time	156 minutes	Not less than 30 minutes
6	Final Setting time	277 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

Note:

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Authorized Signatory
Quality Manager

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2020-07-24-65 Date: 17-06-20
Customer : Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.
Address : Byatarayanapura Sub Division, BBMP, Bangalore.
Project Name : Improvements of General Public Toilet and Sewage Maintenance in Ward No 5 Jakkur
Agency : Sri.Santosh B, (Venkateshwaraswamy Enterprises), #85, 8th Cross, Poojamma Temple, Yelhanka Kogilu Village, Bangalore North-560 064.
Customer's Reference : BBMP/EE/BTP/WO/12/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 19-05-20
Sample Type : Birla Super 53grade
Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test : 20-05-20
Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

Compressive Strength			
Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	28.5N/mm ²	Not less than 27 N/mm ²
2	7 Days	39.0N/mm ²	Not less than 37 N/mm ²
3	28 Days	58.5N/mm ²	Not less than 53 N/mm ²

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TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2020-07-24-65 Date: 22-05-20
Customer : Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.
Address : Byatarayanapura Sub Division, BBMP, Bangalore.
Project Name : Improvements of General Public Toilet and Sewage Maintainance in Ward No 5 Jakkur
Agency : Sri.Santosh B. (Venkateshwaraswamy Enterprises), #85, 8th Cross, Poojamma Temple, Yelhanka Kogilu Village, Bangalore North-560 064.
Customer's Reference : BBMP/EE/BTP/WO/12/2019-20
Source of Sample : Sample supplied by Agency
Sample condition : Satisfactory
Date of Receipt : 19-05-20
Sample Type : 40mm down size coarse aggregate
Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2011
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties
Date of test : 19-05-20

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	218	218	1.5	98.5	90-100
3	20 mm	7289	7507	50.0	50.0	30-70
4	10 mm	5102	12609	84.1	15.9	10-35
5	4.75 mm	2185	14794	98.6	1.4	0-5
6	Pan	206	15000	100.0	0	—

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TEST REPORT ON COARSE AGGREGATES

Format No: CP/TF/01

Lab ID

: CP-2020-07-24-65

Date: 22-05-20

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	11.8	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.5	
3	Specific Gravity	2.62	-
4	Bulk Density(Loose) (Kg/l)	1.48	-
5	Bulk Density(Compacted) (Kg/l)	1.51	-
6	Water Absorption(%)	0.18	-

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Quality Manager

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20.05.20
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TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2020-07-24-65
Customer : Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.
Address : Byatarayanapura Sub Division, BBMP, Bangalore.
Project Name : Improvements of General Public Toilet and Sewage Maintainance in Ward No 5 Jakkur
Agency : Sri.Santosh B, (Venkateshwaraswamy Enterprises), #85, 8th Cross, Poojamma Temple, Yelhanka Kogilu Village, Bangalore North-560 064.
Customer Reference : BBMP/EE/BTP/WO/12/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 19-05-20
Sample Type/ Size : 20mm down size coarse aggregate
Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2011
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties
Date of test : 19-05-20

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	152	152	3.0	97.0	90-100
3	10 mm	3102	3254	65.1	34.9	25-55
4	4.75 mm	1598	4852	97.0	3.0	0-10
5	Pan	148	5000	100	0	-

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2020/05/24
Santosh B. Venkateshwaraswamy Enterprises
#85, 8th Cross, Poojamma Temple, Yelhanka Kogilu Village, Bangalore North-560 064



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TEST REPORT ON COARSE AGGREGATES

Lab ID

:

CP-2020-07-24-65

Date: 21-05-20

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	13.1	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.6	
3	Specific Gravity	2.59	—
4	Bulk Density(Loose) (Kg/l)	1.51	—
5	Bulk Density(Compacted) (Kg/l)	1.56	—
6	Water Absorption(%)	0.22	—
7	Aggregate crushing Value(%)	24.1	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	22.7	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

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TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2020-07-24-65 Date: 21-05-20

Customer : Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.

Address : Byatarayanapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of General Public Toilet and Sewage Maintainance in Ward No 5 Jakkur

Agency : Sri.Santosh B, (Venkateshwaraswamy Enterprises), #85, 8th Cross, Poojamma Temple, Yelhanka Kogilu Village, Bangalore North-560 064.

Customer's Reference : BBMP/EE/BTP/WO/12/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 19-05-20

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption

Date of test : 19-05-20

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	27	27	2.7	97.3	90-100	90-100	90-100	95-100
3	2.36 mm	55	82	8.2	91.8	60-95	75-100	85-100	95-100
4	1.18 mm	239	321	32.1	67.9	30-70	55-90	75-100	90-100
5	600 micron	205	526	52.6	47.4	15-34	35-59	60-79	80-100
6	300 micron	203	729	72.9	27.1	5-20	8-30	12-40	15-50
7	150 micron	191	920	92.0	8.0	0-10	0-10	0-10	0-15
8	Pan	80	1000	100.0	0.0	—	—	—	—

Result : The tested Sample Conforms to Grading Zone II

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TEST REPORT OF FINE AGGREGATE

Lab ID

: CP-2020-07-24-65

Date: 21-05-20

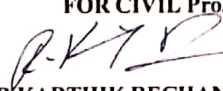
PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.5	-
2	Specific Gravity	2.59	-
3	Material finer than 75 micron(%)	6.9	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

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21.05.20
21.05.2020
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TEST RESULTS OF STEEL

Lab ID : CP-2020-07-24-65
Customer : Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore
Address : Byatarayanapura Sub Division, BBMP, Bangalore
Project Name : Improvements of General Public Toilet and Sewage Maintenance in Ward No 5 Jakkur
Agency : Sri.Santosh B, (Venkateshwaraswamy Enterprises), #85, 8th Cross, Poojamma Temple, Yelhanka Kogilu Village, Bangalore North-560 064.
Customer's Reference : BBMP/EE/BTP/WO/12/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 19-05-20
Sample Type : Sunvik
Reference to BIS codes : IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test : 20-05-20

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar (mm)	Weight of the sample (kg/m)	Yield stress (N/mm ²)	Tensile strength (N/mm ²)	Elongation (%)	Bend test	Rebend test
1	Sunvik	Fe500	8	0.391	512	652	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.616	528	672	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.888	544	668	20.0%	Satisfactory	Satisfactory
4	Sunvik	Fe500	16	1.581	572	674	19.0%	Satisfactory	Satisfactory
5	Sunvik	Fe500	20	2.476	584	693	19.0%	Satisfactory	Satisfactory
6	Sunvik	Fe500	25	3.472	597	712	18.0%	Satisfactory	Satisfactory
7	Sunvik	Fe500	32	6.321	612	728	18.0%	Satisfactory	Satisfactory

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Certificate No.: TC-5548

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TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Lab ID : CP-2020-07-24-65 Date: 23-05-20
Customer : Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.
Address : Byatarayanapura Sub Division, BBMP, Bangalore.
Project Name : Improvements of General Public Toilet and Sewage Maintenance in Ward No 5 Jakkur
Agency : Sri.Santosh B, (Venkateshwaraswamy Enterprises), #85, 8th Cross, Poojamma Temple, Yelhanka Kogilu Village, Bangalore North-560 064.
Customer's Reference : BBMP/EE/BTP/WO/12/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 19-05-20
Sample Type/Size : Solid concrete blocks size (400X100X200)mm
Reference to BIS codes : IS : 2185 (Part 1) : 2005(RA 2010) Concrete Masonry Specification
Part 1.Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex -C Clause 9.3 and 10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)
Date of test : 20-05-20

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10 ⁶	Avg.Block Density in (Kg/cum)	As per IS 2185(Part 1):2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm ³)	Kg	Kg/m ³	Kg/m ³	
1	400	98	203	7958	33.702	4235.1	4031.7	Not less than 1800Kg/m ³
2	405	103	200	8343	33.522	4017.9		
3	404	101	203	8283	31.823	3841.9		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185(Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	33.91	32.25	4.89	4.25	Shall not be more than 10% by mass
2	33.57	32.14	4.28		
3	33.44	32.24	3.59		

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Lab ID : CP-2020-07-24-65

Date: 23-05-20

DIMENSION ANALYSIS

Sl.no	Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
1	402	100	201	Length : $\pm 5\text{mm}$ Breadth : $\pm 3\text{mm}$ Height : $\pm 3\text{mm}$
2	403	102	201	
3	402	100	203	
4	404	102	199	
5	403	103	202	
6	403	102	203	
7	403	99	201	
8	402	102	200	
9	402	102	199	
10	402	102	202	
11	401	100	200	
12	399	101	201	
13	403	102	200	
14	399	100	201	
15	399	102	201	
16	402	102	201	
17	403	102	199	
18	403	102	202	
19	401	100	203	
20	404	99	200	
Average of 20	402	101	201	

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Lab ID : CP-2020-07-24-65

Date: 23-05-20

COMPRESSIVE STRENGTH:

Sl. No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length	Breadth				
	mm	mm	(mm ²)	(KN)	N/mm ²	(N/mm ²)
1	402	100	40248.15967	156.0	3.9	4.1
2	403	102	41097.23086	173.7	4.2	
3	402	100	40151.93535	174.8	4.4	
4	404	102	41200.17755	155.6	3.8	
5	403	103	41478.45033	180.1	4.3	
6	403	102	41155.48082	165.0	4.0	
7	403	99	39895.35541	156.6	3.9	
8	402	102	41023.05084	173.6	4.2	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	Minimum average	Minimum Individual units.
C (5.0)	5.00 N/mm ²	4.00 N/mm ²
C (4.0)	4.00 N/mm ²	3.20 N/mm ²

Note:

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Page 3/3

End of Report

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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Format No. CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 05/06/2020

Lab ID : CP-2020-07-24-65
 Customer : Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.
 Address : Byatarayanapura Sub Division, BBMP, Bangalore.
 Project Name : Improvements of General Public Toilet and Sewage Maintenance in Ward No 5 Jakkur
 Agency : Sri.Santosh B. (Venkateshwaraswamy Enterprises), #85, 8th Cross, Poojamma Temple, Yelhanka
 Kogilu Village, Bangalore North-560 064.
 Customer's Reference : BBMP/EE/BTP/WO/12/2019-20
 Source of Sample : Sample supplied by Agency
 Sample Condition : Satisfactory
 Date of Receipt : 01-06-20
 Customer ID : RCC
 Sample Type /Size : 150X150X150 mm
 Sample grade/Age : M25 / 7 Days Compressive Strength
 Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 05/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	RCC	M25	29/05/2020	05/06/2020	150.42 X 150.54 X 150.45	22644	8.312	389.5	17.2	17.2
2	RCC	M25	29/05/2020	05/06/2020	150.42 X 150.54 X 150.45	22644	8.331	398.5	17.6	
3	RCC	M25	29/05/2020	05/06/2020	150.32 X 150.54 X 150.35	22629	8.345	380.2	16.8	

Note:

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 R KARTHIK RECHAN
 Authorized Signatory
 Quality Manager

Format No. CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 26/06/2020

Lab ID : CP-2020-07-24-65
 Customer : Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.
 Address : Byatarayanapura Sub Division, BBMP, Bangalore.
 Project Name : Improvements of General Public Toilet and Sewage Maintainance in Ward No 5 Jakkur
 Agency : Sri.Santosh B. (Venkateshwaraswamy Enterprises), #85, 8th Cross, Poojamma Temple, Yelhanka Kogilu Village, Bangalore North-560 064.
 Customer's Reference : BBMP/EE/BTP/WO/12/2019-20
 Source of Sample : Sample supplied by Agency
 Sample Condition : Satisfactory
 Date of Receipt : 01-06-20
 Customer ID : RCC
 Sample Type /Size : 150X150X150 mm
 Sample grade/Age : M25 / 28 Days Compressive Strength
 Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	RCC	M25	29/05/2020	26/06/2020	150.42 X 150.54 X 150.45	22644	8.312	538.9	23.8	23.5
2	RCC	M25	29/05/2020	26/06/2020	150.42 X 150.54 X 150.45	22644	8.331	518.6	22.9	
3	RCC	M25	29/05/2020	26/06/2020	150.32 X 150.54 X 150.35	22629	8.345	536.3	23.7	

Note:

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 Authorized Signatory
 Quality Manager

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-07-24-65 **Date:** 12/06/2020
Customer : Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.
Address : Byatarayanapura Sub Division, BBMP, Bangalore.
Project Name : Improvements of General Public Toilet and Sewage Maintenance in Ward No 5 Jakkur
Agency : Sri.Santosh B. (Venkateshwaraswamy Enterprises), #85, 8th Cross, Poojamma Temple, Yelhanka Kogilu Village, Bangalore North-560 064.
Customer's Reference : BBMP/EE/BTP/WO/12/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 08-06-20
Customer ID : RCC
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M25 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 12/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	RCC	M25	05/06/2020	12/06/2020	150.42 X 150.54 X 150.45	22644	8.312	389.5	17.2	17.2
2	RCC	M25	05/06/2020	12/06/2020	150.42 X 150.54 X 150.45	22644	8.331	398.5	17.6	
3	RCC	M25	05/06/2020	12/06/2020	150.32 X 150.54 X 150.35	22629	8.345	380.2	16.8	

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 Authorized Signatory
 Quality Manager

Page 1/1
 *****End of Report*****

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-07-24-65 Date: 03/07/2020

Customer : Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.

Address : Byatarayanapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of General Public Toilet and Sewage Maintainance in Ward No 5 Jakkur

Agency : Sri Santosh B. (Venkateshwaraswamy Enterprises), #85, 8th Cross, Poojamma Temple, Yelhanka Kogilu Village, Bangalore North-560 064.

Customer's Reference : BBMP/EE/BTP/WO/12/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 08-06-20

Customer ID : RCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/07/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	RCC	M25	05/06/2020	03/07/2020	150.42 X 150.54 X 150.45	22644	8.312	538.9	23.8	23.5
2	RCC	M25	05/06/2020	03/07/2020	150.42 X 150.54 X 150.45	22644	8.331	518.6	22.9	
3	RCC	M25	05/06/2020	03/07/2020	150.32 X 150.54 X 150.35	22629	8.345	536.3	23.7	

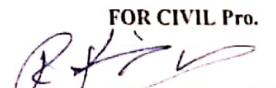
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 Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 12/06/2020

Lab ID : CP-2020-07-24-65
Customer : Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.
Address : Byatarayanapura Sub Division, BBMP, Bangalore.
Project Name : Improvements of General Public Toilet and Sewage Maintenance in Ward No 5 Jakkur
Agency : Sri.Santosh B. (Venkateshwaraswamy Enterprises), #85, 8th Cross, Poojamma Temple, Yelhanka
Customer's Reference : BBMP/EE/BTP/WO/12/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 08-06-20
Customer ID : RCC
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M25 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
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2	RCC	M25	05/06/2020	12/06/2020	150.42 X 150.54 X 150.45	22644	8.331	398.5	17.6	
3	RCC	M25	05/06/2020	12/06/2020	150.32 X 150.54 X 150.35	22629	8.345	380.2	16.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 03/07/2020

Lab ID : CP-2020-07-24-65
Customer : Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.
Address : Byatarayanapura Sub Division, BBMP, Bangalore.
Project Name : Improvements of General Public Toilet and Sewage Maintenance in Ward No 5 Jakkur
Agency : Sri.Santosh B. (Venkateshwaraswamy Enterprises), #85, 8th Cross, Poojamma Temple, Yelhanka
Customer's Reference : BBMP/EE/BTP/WO/12/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 08-06-20
Customer ID : RCC
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M25 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/07/2020

SL. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
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